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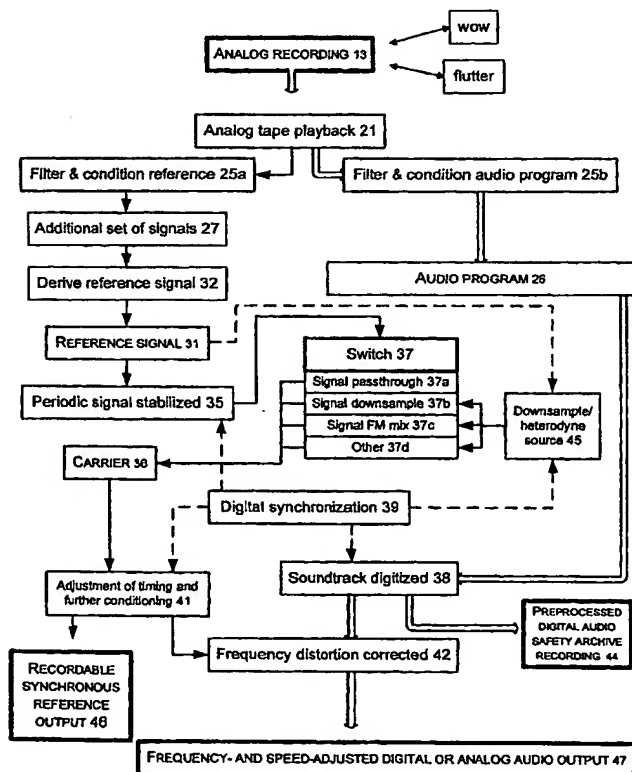
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(54) Title: CORRECTIVE ADJUSTMENT OF RECORDING CHARACTERISTICS IN DIGITAL RENDITIONS OF ANALOG RECORDINGS



(57) Abstract: A signal reconstruction technique is used to correct for wow and flutter in analog audio recordings. Elements of the recording are used to generate a signal for correcting the output. Involves locating modulated entities such as bias signal (e.g. frequency-modulated, amplitude-modulated, or phase-modulated entities) in the recording, extracting them, and utilizing them as a carrier to synchronize to a master clock, using the irregularity of the anomaly to indicate the speed and pitch information to be corrected. A carrier frequency is determined and applied to a digitized form of the recording. This may be performed even in the absence of a prescribed reference code or tone, such as a pilot tone laid down purposefully at the moment of recording. In the case of signals presumed to have an error in the carrier, a corresponding signal is buffered, and in the case of a presumed error, a last known signal is used for the duration of the error.